Beclaration and Power of Attorney

Dean Engelhardt, Elazar Rabbani, Stanley Kline, Janos G. Stavrianopoulos and Dollie Kirtikar declare that we are respectively citizens of the United States of America,

residing at 173 Riverside Drive, New York, New York 10024; 69 Fifth Avenue, New York, New York 10003; 235 Lincoln Place, Brooklyn, New York 11217; 515 West 59 Street, New York, New York 10019; and 42-72 80 Street, Elmhurst, New York 11373, respectively,

that we have read the specification entitled:

MODIFIED NUCLEOTIDES, METHODS OF PREPARING AND UTILIZING AND COMPOSITIONS CONTAINING THE SAME

and the claims thereof; that we understand the content of the foregoing specification, and we verily believe we are the original, first and joint inventors of the invention described and claimed therein; that we do not know and do not believe that this invention was ever known or used in the United States before our invention thereof, or patented or described in any printed publication in any country before our invention thereof, or more than one year prior to this application, or in public use or on sale in the United States more than one year prior to this application; that this invention has not been patented or made the subject of an inventor's certificate in any country foreign to the United States on an application filed by us or our legal representatives or assigns more than twelve months before this application; and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States by us or our representatives or assigns, except as follows:

NONE

We further declare that we acknowledge our duty to disclose information of which we are aware which is material to the examination of this application.

And we hereby appoint: individually and collectively, Thomas F. Moran, Reg. No. 16,579; Lester W. Clark, Reg. No. 14,954; Christopher C. Dunham, Reg. No. 22,031; Ivan S. Kavrukov, Reg. No. 25,161; John P. White, Reg. No. 28,678; and Mary-Ellen M. Timbers, Reg. No. 27,928, each of them of 30 Rockefeller Plaza, New York, New York 10112, [Tel. 212-977-9550], our attorneys, each with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith and to file any International Applications which are based thereon under the provisions of the Patent Cooperation Treaty.

Lastly, we declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

100	Inventor's full name	Dear Engelodo				
		(Signature)				
Date	j γ~	Dean Engelhardt				
		173 Riverside Drive				
		New York, New York 10024				
2.00	inventor's full name	Bellis				
•		[Signature]				
Date _ 3VA22 19 Y	ı	Elazar Rabbani				
	Post Office Address	69 Fifth Avenue				
		New York, New York 10003				
30	inventor's full name	Dlue a 11C				
	•	(Signature).				
Date June 11	,1992	Stanley Kline				
	Post Office Address	235 Lincoln Place				
		Brooklyn, New York 11217				
		•				

4.00 Inventor's full name

JANNIS (Signature)

Date June 22, 1982

Janes G. Stavrianopoulos

Post Office Address

515 West 59 Street

New York, New York 10019

inventor's full name

Dolliki Kikan

Date June 22 mg 2

Dollie Kirtikar

(Signature)

Post Office Address 42

42-72 80 Street

Elmhurst, New York 11373 NY

THE UNITED STATES PATENT AND TRADEMARK OFFICE

icant(s):

Dean L. Engelhardt, et al.

Parent Application

Attorney Docket No:

Enz-5 (Div. 6)

Art Unit: 123

Filed

Herewith

Examiner:

For

Modified Nucleotides, Methods Of Preparing

And Utilizing And Compositions Containing

The Same

Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

POWER OF ATTORNEY

Dear Sir:

Enzo Biochem, Inc., a corporation of the State of New York, having its principal place of business at 345 Hudson Street, New York, New York 10014, the owner of the entire right, title and interest in and to the above-identified application and the invention disclosed and/or claimed therein, hereby revokes any and all powers of attorney previously granted herein and appoints as principal attorney, Serle I. Mosoff (Reg. No. 25,900) with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, to transact all business in the Patent and Trademark Office connected therewith and to file any International Applications which are based thereon under the provisions of the Patent Cooperation Treaty.

Enzo Biochem, Inc. hereby appoints as associate attorneys in the above identified application Elaine P. Brenner (Reg. No. 29,517) and Ronald C. Fedus (Reg. No. 32,567).

Please address all communications to:

Serle I. Mosoff, Corporate Counsel Enzo Biochem, Inc. 345 Hudson Street New York, New York 10014

and direct all telephone calls regarding this application to Serle I. Mosoff at telephone no. (212) 337-3355.

EXPRI	ESS MAIL CERTIFICATE
	bel No.: NB 260 244 655
Deposit Date	May 31, 1990
Postal Service "Exp Addressee" service indicated above an	of this paper and the attachments aposited with the United States press Mail Post Office to under 37 CFR I.10 on the date disaddressed to the Commissioner of facts Washington DC 20231.

Enzo Biochem, Inc.

May 31, 1990 Date

Norman Kelker, Ph.D. Senior Vice President

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Dean Engelhardt et al.

Serial No.:

07/532,461

Group Art Unit: 1803

Filing Date:

May 31, 1990

Examiner:

John W. Rollins, Ph.D

For:

PHOSPHATE - MOIETY LABELED DETECTABLE NUCLEOTIDES

Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

SUBSTITUTE POWER OF ATTORNEY

Dear Sir:

Enzo Diagnostics, Inc., a corporation of the State of New York, having its principal place of business at 40 Oak Drive, Syosset, New York, 11791, the owner of the entire right, title and interest in and to the above-identified application and the invention disclosed and/or claimed therein, hereby revokes any and all powers of attorney previously granted herein and appoints as principal attorney, Ronald C. Fedus (Reg. No. 32,567) with full power of substitution and revocation, to prosecute this application, to make alterations and amendments herein, to receive the patent, to . transact all business in the Patent and Trademark Office connected therewith and to file any International Applications which are based thereon under the provisions of the Patent Cooperation Treaty.

Please address all communications to:

EXPRESS MAIL CERTIFICATE

"Express Mail" Label No. __GB743016175

Deposit Date

APRIL 9, 1993

APRIL 9, 1993

I hereby certify that this paper and the attachments herein are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date ulicated above and is addressed to the Commissioner of atents and Trademarks, Washington DC 20231. Ronald C. Fedus, Patent Counsel Enzo Biochem, Inc.

575 Fifth Avenue (18th Floor) New York, New York 10017

Reg. No. 32.5 And direct will telephone calls regarding this application to Ronald C.

Fedus at lelephone no. (212) 856-0876.

November 9, 1992

Date

Enzo Diagnostics, Inc.

Executive Vice-President

Enz-5 (D6)





Patent and Trad rark Office ASSISTANT S AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

ELAINE P. BRENNER

RECEIVED SEP 0.5 1991

TO: ENZO DIAGNOSTICS, INC. 40 OAK DRIVE SYOSSET, NY 11791

> UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW. A DIGEST OF THE DOCUMENT HAS ALSO BEEN MADE AND APPEARS IN THE OFFICE'S RECORDS AS SHOWN:

ASSIGNOR: 001 ENZO BIOCHEM, INC., A CORP. OF NY

DOC DATE: 04/04/91

RECORDATION DATE: 04/17/91

NUMBER OF PAGES 010

REEL/FRAME 5673/0274

DIGEST: ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE: 501 ENZO DIAGNOSTICS, INC., 40 OAK DRIVE, SYOSSET, NY 11791,

A CORP. OF NY

SERIAL NUMBER PATENT NUMBER	6 -5 75396 4,707,440	FILING DATE Issue date	01/30/84
SERIAL NUMBER PATENT NUMBER	7 - 043568 4,843,122	FILING DATE	04/28/87 06/27/89
SERIAL NUMBER PATENT NUMBER	7-304748	FILING DATE Issue date	01/31/89 00/00/00
SERIAL NUMBER PATENT NUMBER	7-314995	FILING DATE	02/24/89 00/00/00
SERIAL NUMBER PATENT NUMBER	7-342196	FILING DATE	04/21/89 00/00/00
SERIAL NUMBER PATENT NUMBER	7 - 316385	FILING DATE	02/27/89 00/00/00
SERIAL NUMBER PATENT NUMBER	7-459030	FILING DATE	12/29/89 00/00/00
SERIAL NUMBER	7-633730	FILING DATE	12/24/90

EXPRESS MAIL CERTIFICATE

"Express Mail" Label No. GB743016175

Deposit Date

APRIL 9, 1993

I hereby certify that this paper and the attachments herein are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indiented above and is addressed to the Commissioner of Paterns and Traden Oks. Washington DC 20231

Ronald'C. Fedus Reg. No. 32,567

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Patent and Tradem ' Office
ASSISTANT SECTION AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

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SERIAL NUMBER PATENT NUMBER	7-385986 4,994,373	FILING DAT	- , , , ,		
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SERIAL NUMBER PATENT NUMBER	7-006819	FILING DAT		ELAINE P. BRENNE	R
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SERIAL NUMBER	7-043670	FILING DAT	E 04/28/87		
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PATENT NUMBER	4,849,505	ISSUE DATE	E 04/28/87 07/18/89		
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SERIAL NUMBER Patent number	7-005327 4,894,325	FILING DATE	- 1 . 31 41	-	
	4,034,325	ISSUE DATE	01/16/90		
SERIAL NUMBER Patent number	7-302887	FILING DATE			
ASGMUN INSTA	4,897,065	ISSUE DATE	01/30/90		
SERIAL NUMBER	6-646171	FILING DATE	08/30/84		
PATENT NUMBER	4,755,458	ISSUE DATE	07/05/88		
SERIAL NUMBER	6-738135	FILING DATE	05/31/05		
PATENT NUMBER	4,746,604	ISSUE DATE	05/24/85 05/24/88		
SERIAL NUMBER	6-823921	Ell INC DATE			
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	6-831250 4,868,103	FILING DATE ISSUE DATE	02/19/86		
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PATENT NUMBER		ISSUE DATE	00/00/00		
SERIAL NUMBER	7-140980	FILING DATE	01/05/88		
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PATENT NUMBER	7–520682	FILING DATE ISSUE DATE	05/08/90		
		ISSUE DATE	00/00/00	• .	

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5673/0274



Patent and Trademark Office

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PATENT NUMBER	7-531953	FILING DATE		•
SERIAL NUMBER PATENT NUMBER		FILING DATE	05/31/90 00/00/00	RECEIVED
SERIAL NUMBER PATENT NUMBER		FILING DATE	08/13/90 00/00/00	FEWING P. BRENNER
SERIAL NUMBER PATENT NUMBER	7-532704	FILING DATE	06/04/90 00/00/00	•
SERIAL NUMBER PATENT NUMBER	7-548348	FILING DATE ISSUE DATE	07/02/90 00/00/00	
- SERIAL NUMBER PATENT NUMBER	7–607347	FILING DATE ISSUE DATE	10/30/90 00/00/00	-
SERIAL NUMBER PATENT NUMBER	7-120205	FILING DATE ISSUE DATE	11/05/87 00/00/00	
SERIAL NUMBER PATENT NUMBER	7-509110	FILING DATE ISSUE DATE	04/13/90 00/00/00	
SERIAL NUMBER PATENT NUMBER	7-443812	FILING DATE ISSUE DATE	11/29/89 00/00/00	
SERIAL NUMBER PATENT NUMBER	7-160607	FILING DATE ISSUE DATE	02/26/88 00/00/00	
SERIAL NUMBER PATENT NUMBER	7-394284	FILING DATE ISSUE DATE	08/15/89 00/00/00	
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SERIAL NUMBER PATENT NUMBER	7-501643	FILING DATE ISSUE DATE	03/29/90 00/00/00	
SERIAL NUMBER PATENT NUMBER	7–607787	FILING DATE ISSUE DATE	10/26/90 00/00/00	•

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Patent and Trademar Office
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OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SERIAL NUMBER PATENT NUMBER	7-521762 5,013,831	FILING DATE	Washington, D.C. 05/08/90 05/07/91	. 20231
SERIAL NUMBER PATENT NUMBER	7-428087	FILING DATE	10/27/89 00/00/00	RECEIVED
SERIAL NUMBER PATENT NUMBER	7-043668 4,952,685	FILING DATE	04/28/87 08/28/90	SEP 05 1991 ELAINE P. BREILNER
SERIAL NUMBER PATENT NUMBER	7 - 513723 5,002,885	FILING DATE	04/24/90 03/26/91	



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

April 16, 1991 New York, New York

Honorable Commissioner of Patents and Trademarks Washington, D.C. 20231

Altn.: Assignment Branch

REQUEST FOR RECORDATION OF BLANKET ASSIGNMENT

Sir:

Enclosed herewith please find an original blanket Assignment dated April 4, 1991 between Enzo Blochem, Inc. and Enzo Diagnostics, Inc. This document is being submitted pursuant to 37 CFR 1.331 for recording in the Assignment Division of the Patent and Trademark Office. Please record this document and return the recorded document to the undersigned.

The Patent and Trademark Office is hereby authorized to charge Deposit Account No. 05-1135 for the recordation fee in the amount of \$8.00. The Patent and Trademark Office is also hereby authorized to charge Deposit Account No. 05-1135 for any additional fees required in connection herewith and to credit any overpayment therein.

EXPRESS MAIL CRRITIFICATB

"Express Mail" Label No. FB 283463026

Deposit Date

I hereby certify that this paper and the attachments herein are being deposited with the United States Postal Service "Express Mail" Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patyals and Tradymarka, Washington DC 20231.

Lave - Lawa 4/16/7/

Elaine P. Brenner

Reg. No. 29,517

Enzo Diagnostics, Inc.

40 Oak Drive Syosset, NY 11791 (212) 924-5409 or 9578 Respectfully submitted,

Eline P. Brenner

Elaine P. Brenner Registration No. 29,517

ASSIGNMENT

In consideration for One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Elazar Rabbani, the undersigned, on behalf of Enzo Blochem, Inc., the assignor hereunder, a corporation of the State of New York, having a place of business at 345 Hudson Street, New York, New York 10014;

Hereby sells, assigns and transfers to: Enzo Diagnostics, Inc., a corporation of the State of New York, having a place of business at 40 Oak Drive, Syosset, NY 11791, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the following applications for Letters Patent:

Serial No.:

140.980

Title:

"Modified Nucleotides, Methods of Preparing and Utilizing and Compositions Containing The Same"

Inventors:

Dean Engelhardt, et al.

Filing Date:

January 5, 1988

(Doc. No.:

Enz-5(C)2)

Serial No.:

539,279

Title:

"Modified Nucleotides, Methods of Preparing and

Utilizing and Compositions Containing The Same"

Inventors:

Dean Engelhardt, et al.

Filing Date: Doc. No.:

June 15, 1990 Enz-5(Div. 2)(C))

Serial No .:

520,682

Title:

"Modified Nucleotides, Methods of Preparing and

Utilizing and Compositions Containing The Same"

Inventors:

Dean Engelhardt, et al. May 8, 1990

Filing Date: (Doc. No.:

Enz-5(Div. 3))

Serial No.: Title:

532,704

"Modified Nucleotides, Methods of Preparing and Utilizing and Compositions Containing The Same"

Inventors:

Dean Engelhardt, et al.

Filing Date:

June 4, 1990

(Doc. No.:

Enz-5(Div. 4))

531,953

Title:

"Modified Nucleotides, Methods of Preparing and Utilizing and Compositions Containing The Same"

Inventors:

Dean Engelhardt, et al. June 1, 1990

Filing Date: (Doc. No.:

Enz-5(Div. 5))

Serial No.:

532,461

Title:

"Modified Nucleotides, Methods of Preparing and Utilizing and Compositions Containing The Same"

Inventors:

Dean Engelhardt, et al.

Filing Date: (Doc. No.:

May 31, 1990 Enz-5(Div. 6))

Serial No.:

567,039

Title:

"Modified Nucleotides, Methods of Preparing and Utilizing and Compositions Containing The Same"

Inventors: Filing Date:

Dean Engelhardt, et al.

(Doc. No.:

August 13, 1990 Enz-5(Div. 7))

Serial No.:

548,348

Title:

"Modified Nucleotides, Methods of Preparing and Utilizing and Compositions Containing The Same"

Inventors: Filing Date:

Dean Engelhardt, et al.

(Doc. No.:

July 2, 1990 Enz-5(Div. 8))

Serial No .:

607,347

Title:

"Methods and Structures Employing Chemically Labeled Polynucleotide Probes"

Inventors: Jannis Stavrianopoulos, et al.

Filing Date: (Doc. No.:

October 30, 1990 Enz-7(CIP)C2)

Serial No .:

120,205

Title:

"Kit for Terminally Labeling DNA"

Inventors: Filing Date:

Christine Brakel, et al. November 5, 1987

(Doc. No.:

Enz-8(C)2)

Serial No .:

607,787

Title:

"Assay Method Utilizing Polynucleotide

Sequences"

Inventors: Filing Date: Robert Pergolizzi, et al. October 26, 1990

(Doc. No.:

Enz-11 (C)2)

521,762

Title:

"Detectable Molecules, Method of

Inventors:

Preparation and Use" Dean Engelhardt, et al.

Filing Date:

May 8, 1990

(Doc. No.:

Enz-13 (Div. 4)C2)

Serial No .:

Title:

428,087 "Hybridization Method For The Detection Of Genetic Material"

Inventors: Filing Date: (Doc. No.:

Dean Engelhardt, et al. October 27, 1989 Enz-15(Div. 1))

Serial No.:

590,548

Title: Inventors: "In Vivo Labelling of Polynucleotide Sequences"

Jannis Stavrianopoulos, et al. September 27, 1990

Filing Date: (Doc. No.:

Enz-16(C) (Div. 1))

Serial No.:

502,199

Title:

"Method For Detecting An Analyte Molety

By Means of Signal Localization"

Inventor: Filing Date: (Doc. No.:

Elazar Rabbani March 28, 1990 Enz-24(CIP)/25 C1)

Serial No.:

Title:

501,643

"Method For Detecting An Analyte Molety By Means of Signal Localization"

Inventor: Filing Date:

Elazar Rabbani March 29, 1990

(Doc. No.:

Enz-24(CIP)/25 Div.1)

Serial No .: Title:

394,284

"Novel One Step Method and Polynucleotide Compounds For Hybridizing to Target

Polynucleotides"

Inventors:

Jannis Stavrianopoulos, et al.

Filing Date:

August 15, 1989

(Doc. No.:

Enz-26(C))

479,327

Title:

"Nucleotide Sequence Composition And Method For Detection of Neisseria Gonorrhoea And Method For Screening For A Nucleotide Sequence That Is Specific For A Genetically Distinct Group"

Inventors: Filing Date: Andrew Lo, et al.

(Doc. No.:

February 13, 1990

Enz-27(C))

Serial No.:

Title:

582,830

"Polynucleotide Probes And A Method For Their Preparation"

Inventors: Filing Date:

David Mao, et al. September 13, 1990

(Doc. No.:

Enz-29(C))

Serial No.:

Title:

509,110

Inventors:

"Polynucleotide Composition and Method" Huey-Lang Yang, et al.

Filing Date: (Doc. No.:

April 13, 1990 Enz-31(C))

Serial No.:

443,812

Title:

"Inhibition of Self-Quenching in Specific

Binding Assay" Stanley Kline

Inventor: Filing Date:

November 29, 1989

(Doc. No.:

Enz-32(C))

Serial No.:

160,607

Title:

"End-Labeled Nucleotide Probe"

Inventors: Filing Date:

Christine L. Brakel, et al. February 26, 1988

(Doc. No.:

Enz-34)

Serial No.:

194,702

Title: Inventors:

"Device With Gradient-Regulated Localized Signal" Elazar Rabbani, et al.

Filing Date:

May 17, 1988

(Doc. No.:

Enz-35)

192,256

Title:

"Method For Sample Adherence To Test

Substrate"

Inventors: Filing Date:

Huey-Lang Yang, et al.

May 10, 1988

(Doc. No.:

Enz-36)

Serial No.:

Title:

625,584

"Detection System For Visualizing Proteolysis Of Cellular Proteins"

Inventor: Filing Date:

Maurice Rosenstraus December 10, 1990 Enz-37(C))

(Doc. No.:

Serial No .:

Title:

304,748

"Time-Resolved Fluorometer"

Inventor: Filing Date: Ian Hurley January 31, 1989

(Doc. No.:

Enz-38)

Serial No.:

Title:

314,995

"Energy Transfer Hybridization Assay Using Intercalators and Lanthanide Metals"

Elazar Rabbani, et al. February 24, 1989

Inventors: Filing Date: (Doc. No.:

Enz-39)

Serial No.:

Title:

342,196

"Non-Radioactive in Situ Hybridization Assay" Inventors: Joanne Spadoro, et al.

Filing Date:

April 21, 1989

(Doc. No.:

Enz-40)

Serial No.:

Title:

316,385

Inventors:

"Dual-Probe Energy Transfer Hybridization Assay"

Filing Date:

lan Hurley, et al. February 27, 1989

(Doc. No.:

Enz-41)

Serial No.:

459,030

Title: Inventors: "Amplification Capture Assay"

Filing Date:

Christine Brakel, et al. December 29, 1989

(Doc. No.:

Enz-43)

633,730

Title:

"Method for Detecting A Target Polynucieotide In A Sample Using A Background Reducing Reagent, And Composition And Kit Comprising Such

A Reagent"

Inventor: Filing Date:

Jannis G. Stavrianopoulos

December 24, 1990

(Doc. No.:

Enz-44)

and in and to said applications for Letters Patent and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements:

Hereby also sells, assigns and transfers to: Enzo Diagnostics, Inc., a corporation of the State of New York, having a place of business at 40 Oak Drive, Syosset, NY 11791, its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the following United States Letters Patent:

Patent No.:

4,994,373

Title:

"Method And Structures Employing

Inventors:

Chemically-Labelled Polynucleotide Probes" Jannis G. Stavrianopoulos, et al.

Issue Date:

February 19, 1991 Enz-7 (CIP)C)

(Doc. No.:

Patent No.:

4,772,548

Title:

"Radioisotopicassay Using Isotope Transfer To Chelator-Target Recognition Molecule

Conjugate"

Inventor: Issue Date: Jannis G. Stavrianopoulos

September 20, 1988

(Doc. No.:

Enz-12 (Div. 2))

Patent No.:

4,707,440

Title:

"Nucleic Acid Hybridization Assay And Detectable Molecules Useful In

Such Assay"

Inventor:

Jannis G. Stravrianopoulos

Issue Date:

November 17, 1987

(Doc. No.:

Enz-13)

Patent No.:

4,843,122

Title:

"Detectable Molecules, Method

Inventor:

Of Preparation And Use" Jannis G. Stravrianopoulos

Issue Date: (Doc. No.:

June 27, 1989 Enz-13 (Div. 1))

Patent No.:

4,943,523

Title:

"Detectable Molecules, Method

Inventor:

Of Preparation And Use" Jannis G. Stravrianopoulos

Issue Date: (Doc. No.:

July 24, 1990 Enz-13 (Div. 2))

Patent No.:

4,952,685

Title:

"Detectable Molecules, Method

Inventor: Issue Date: Of Preparation And Use" Jannis G. Stravrianopoulos

Issue Date: (Doc. No.:

August 28, 1990 Enz-13 (Div. 4))

Patent No.:

5,002,885

Title:

"Detectable Molecules, Method

Inventor:

Of Preparation And Use" Jannis G. Stravrianopoulos

Issue Date: (Doc. No.:

March 26, 1991 Enz-13 (Div. 4)C1)

Patent No.:

4,849,505

Title:

"Detectable Molecules, Method

Of Preparation And Use"

Jannis G. Stravrianopoulos

Inventor: Issue Date: (Doc. No.:

July 18, 1989 Enz-13 (Div. 5))

Patent No.:

4,889,798

Title:

"Heterologous System For The Detection of Chemically Labeled DNA and Other Please 1 201

DNA and Other Biological Materials Providing A Receptor Or Target Molety Thereon"

Inventor:

Elazar Rabbani December 26 1

Issue Date:

December 26, 1989

(Doc. No.:

Enz-14(C))

Patent No.:

4,894,325

Title:

"Hybridization Method For The Detection Of Genetic Material"

Inventors: Issue Date:

Dean L. Engelhardt, et al.

(Doc. No.:

January 16, 1990 Enz-15(P)C)

Patent No.:

4.987,065

Title: Inventors: "In Vivo Labelling of Polynucleotide Sequences"

Issue Date:

Jannis G. Stravrianopoulos, et al.

January 22, 1991

(Doc. No.:

Enz-16(C))

Patent No.: Title:

4,755,458

"Composition And Method For The

Detection Of The Presence Of A Polynucleotide Sequence Of Interest"

Inventors: Issue Date:

Elazar Rabbani, et al.

(Doc. No.:

July 5, 1988 Enz-18)

Patent No.:

4,746,604

Title:

"Specific Binding Assays Utilizing A

Viable Cell As A Label" Solomon Mowshowitz

Inventor: Issue Date:

May 24, 1988

(Doc. No.:

Enz-21)

Patent No.:

4,900,659

Title:

"Nucleotide Sequence Composition And Method For Detection Of Nelsseria Gonorrhoeae And Method For Screening For A Nucleotide Sequence That Is Specific For A Genetically Distinct Group"

Inventors:

Andrew Lo, et al. February 13, 1990

Issue Date: (Doc. No.:

Enz-27)

Patent No.:

4,868,103

Title:

"Analyte Detection By Means Of

Inventors:

Energy Transfer" Jannis G. Stravrianopoulos, et al.

Issue Date:

September 19, 1989

(Doc. No.:

Enz-28)

and in and to said Letters Patent and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters

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Elazar Rabbani, President Enzo Blochem, Inc.

Acknowledgment

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MARY HAIG Notary Public, State of New York No. 41-1626625 Qualified in Queens County Certificate Filed in New York County omnission Expires October 31, 1991	,	Was No	tary Public	